

ABSTRACT OF THE DISCLOSURE

A composite inner door panel structure for a vehicle door, that is structurally sound, cost efficient, and easy to manufacture. The inner door panel structure generally includes a first panel, a second panel, and a conductive member adhesively disposed between the first panel and the second panel. Said first panel including an end portion, said second panel is configured in accordance with the configuration of the end portion of the first panel. The conductive member is preferably a steel wire or a one-piece construction made from rigid wire mesh of different types of metals including brass, bronze, stainless steel, copper and aluminum. The conductive member maintains spacing between the first panel and the second panel, and further provides a conductive material between the first and second panels for weldability in successive operations to complete the vehicle door.